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# **DoD Green Remediation Policy Update**

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(Installations and Environment)**

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# Overview

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- Green Remediation opportunities in the DERP
- DoD Green Remediation Policy Goals
- DoD Green Remediation Policy
- Implementing DoD Green Remediation
- Next Steps



# Defense Environmental Restoration Program

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- The DERP is one of the nation's largest cleanup efforts
- Tremendous opportunity to make an impact through sustainable remediation decisions and practices
- Green remediation is the practice of considering all environmental effects of remedy implementation and incorporating options to maximize net environmental benefit of cleanup actions





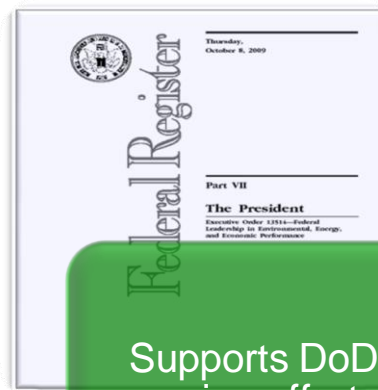
# DoD Green Remediation Policy Goals

## DoD Policy Memorandum

### “Consideration of Green and Sustainable Remediation Practices in the Defense Environmental Restoration Program”



Encourages DoD Components to consider green and sustainable remediation practices throughout the cleanup process



Supports DoD's ongoing efforts to implement Executive Orders 13423 and 13514



Reduces DoD's overall energy demand



# DoD Green Remediation Policy

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- Why did DoD feel it was important to issue this policy?
  - Significant potential for increasing the net environmental and economic benefit of a cleanup
  - Project cost savings and decreased project timeframes, while continuing to meet aggressive cleanup goals
  - Site-specific costs for implementing green remediation practices can be equal to or below those of conventional cleanup practices



# DoD Green Remediation Policy Overview

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- Policy includes evaluation of current and future remedial activities
- DoD Components are encouraged to consider green remediation options when and where they make sense
- DoD will not re-open Records of Decisions or other decisions and agreements that may already be in place or under negotiation
- DoD will not use sustainability as an excuse to do nothing



# Current Steps: DoD Green Remediation

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- Look for options to consider sustainability throughout the cleanup lifecycle
- Minimize the overall environmental footprint of the remedial system and monitoring program
  - Sustainability analysis during remedy selection and of existing systems
  - Minimizing energy use and increasing energy efficiency
  - Considering and/or implementing environmental remediation technologies with inherent green/sustainability aspects
  - Preserving natural resources
  - Minimizing emissions
  - Using passive sampling where feasible
  - Minimizing fresh water consumption and maximizing water reuse in treatment systems
  - Maximize recycling, reuse, and reduction of materials, including waste





# Implementing DoD Green Remediation

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- Incorporating green and sustainable remediation into existing initiatives
- Developing tools to support green and sustainable remediation efforts
- Developing standardized performance measures (looking at how the Military Services collect and track green and sustainable remediation efforts)



## Next Steps: DoD's Path Forward

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- Meet regularly with the DoD Components to assess Department progress
- Regularly engage with federal agency stakeholders to coordinate and share success stories
- Work with state regulators to adopt creative solutions to incorporate sustainability into our remedial systems
- Support Navy, Army, and Air Force efforts to develop best practices for green and sustainable remediation